

Recent IBM Patents

The following patents were recently issued by the countries in which the inventions were made.

France

7,047,122	Machine for Plugging and Testing Cables and Components on Interconnection Boards of Electronic Assemblies	<i>B. Dzinbinski, P. J. Riboulet and A. J. Truchi</i>
7,047,123	Improvement of Digital Filters	<i>A. Croisier, D. J. Esteban, M. E. Levillion and V. Riso</i>
7,047,663	Digital Filtering Device	<i>D. J. Esteban, V. Riso and E. A. Sipos</i>
7,047,685	Process and Device for Identifying Connections in a Switching Network ...	<i>B. Corby, A. E. James, R. LeBlanc, A. T. Milewski and P. T. Chu</i>

Germany

1,549,775	Method for the Registration of Working Process	<i>L. Langer</i>
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Switzerland

0,524,935	Device for Equalizing Binary Bipolar Signals	<i>G. J. Ungerboeck</i>
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United Kingdom

1,263,779	Phase Sensitive Detector	<i>F. Ainscow and B. R. Sowter</i>
1,264,066	Data Processing Apparatus (Program Event Recording)	<i>P. C. Austin, M. Haslam and R. W. Taylor</i>
1,264,095	Processor with Input/Output Channel	<i>J. A. Arulpragasam, J. F. Minshull and A. S. Murphy</i>
1,264,096	Input/Output Channel	<i>J. J. Holmes</i>
1,265,013	Error Detecting Circuitry	<i>M. Flinders, P. L. Gardner, M. H. Hallett, J. W. Jones, J. F. Minshull and K. G. Taylor</i>
1,265,014	Digital Data Storage Systems	<i>M. Flinders, P. L. Gardner, M. H. Hallett, J. W. Jones and J. F. Minshull</i>
1,268,283	Connect Module	<i>D. J. Craft</i>

United States

3,674,004	Precision Cutting Apparatus and Method of Operation Therefor	<i>J. Grandia and R. L. Rohr</i>
3,674,125	Data System with Printing, Composing, Communications, and Magnetic Card Processing Facilities	<i>R. A. Kolpek</i>
3,674,487	Mask Overlay Checking Means	<i>W. O. Druschel</i>
3,674,516	Electroless Codeposition of Nickel Alloys	<i>Z. Kovac</i>
3,675,001	Fast Adder for Multi-Number Additions	<i>S. Singh</i>
3,675,026	Converter of Electromagnetic Radiation to Electrical Power	<i>J. M. Woodall</i>
3,675,131	Coherent Single Sideband Phase Locking Technique	<i>R. L. Pickholtz</i>
3,675,133	Apparatus and Method Independently Varying the Widths of a Plurality of Pulses	<i>R. F. Frankeny and J. K. Tuttle</i>
3,675,140	Acoustic Wave Amplifier Having a Coupled Semiconductor Layer	<i>F. F. Fang and E. G. Lean</i>
3,675,150	Internal Modulation of Injection Lasers Using Acoustic Waves	<i>E. P. Harris, E. G. Lean and C. G. Powell</i>
3,675,200	System for Expanded Detection and Correction of Errors in Parallel Binary Data Produced by Data Tracks	<i>D. C. Bossen, R. A. Henle, M. Y. Hsiao, G. A. Maley and W. D. Pricer</i>
3,675,211	Data Compaction Using Modified Variable-length Coding	<i>J. Raviv</i>
3,675,212	Data Compaction Using Variable-length Coding	<i>J. Raviv and M. A. Wesley</i>
3,675,215	Pseudo-Random Code Implemented Variable Block-size Storage Mapping Device and Method	<i>R. F. Arnold, P. S. Dauber and E. H. Sussenguth</i>
3,675,216	No Clock Shift Register and Control Technique	<i>R. L. James</i>
3,675,217	Sequence Interlocking and Priority Apparatus	<i>P. S. Dauber, R. J. Robelen and J. R. Wierzbiski</i>
3,675,218	Independent Read-Write Monolithic Memory Array	<i>R. F. Sechler</i>
3,675,373	Free Particle Impact Machining Process and Apparatus Employing the Same	<i>D. T. Putnam</i>
3,675,563	Semiconductor Processing Apparatus	<i>C. G. Metreaud</i>
3,676,002	Optical Mask with Integral Spacers and Method of Making	<i>W. M. Moreau and H. R. Rottmann</i>

3,676,210	Process for Making Electrophotographic Plates	<i>M. D. Shattuck and W. J. Weiche</i>
3,676,231	Method for Producing High Performance Semiconductor Device	<i>B. P. Medvecky, A. S. Oberai and A. Platt</i>
3,676,588	Deformographic Target Assembly with Integral Conductive Member	<i>E. T. Kozol and R. J. Wohl</i>
3,676,615	Pushbutton Keyboard Switch Array and Associated Printed Circuit Logic Cards	<i>F. S. Wiedmer</i>
3,676,616	EDS Serial Switch Array	<i>F. S. Wiedmer</i>
3,676,646	Document with Chemically Developable Precisely Defined Alphanumeric Characters	<i>D. W. Carlsen, J. J. Kotla and A. A. Parker</i>
3,676,689	Optical Code Generating Apparatus	<i>D. M. Knepper, Sr.</i>
3,676,703	Sense Amplifier Latch for Monolithic Memories	<i>J. E. Gersbach</i>
3,676,704	Monolithic Memory Sense Amplifier/Bit Driver	<i>N. M. Donofrio and J. N. Pomeranz</i>
3,676,713	Saturation Control Scheme for TTL Circuit	<i>S. K. Wiedmann</i>
3,676,775	Method for Measuring Resistivity	<i>A. Dupnock, E. F. Gorey and W. A. Keenan</i>
3,676,832	Connector	<i>R. L. Judge and E. S. Pearson</i>
3,676,851	Information Retrieval System and Method	<i>H. P. Eastman</i>
3,676,852	Multiple Program Digital Computer	<i>R. E. Abernathy and N. S. Mitrofanoff</i>
3,676,853	System for Controlling Format	<i>D. W. Terry</i>
3,676,859	Data Communication System Incorporating Device Selection Control	<i>J. T. Hollaway and C. O. Pingry, III</i>
3,676,860	Interactive Tie-Breaking System	<i>W. W. Collier and R. M. Smith</i>
3,676,863	Monolithic Bipolar Dynamic Shift Register	<i>I. T. Ho</i>
3,677,634	Contactless Mask Pattern Exposure Process and Apparatus System Having Virtual Extended Depth of Focus	<i>E. S. Mathisen</i>
3,677,836	Liquid Epitaxy Method of Fabricating Controlled Band Gap GaAl as Electroluminescent Devices	<i>M. R. Lorenz</i>
3,677,837	Method of Making Pedestal Transistor Having Minimal Side Injection	<i>K. G. Ashar</i>
3,677,853	Wafer Mounting	<i>T. A. Anzelone, Jr., H. A. Larson and A. A. Stricker</i>
3,678,211	Air Bearing Magnetic Head with Glass Slider Body	<i>H. M. Hoogendorn, B. Narken, P. J. Roeder and B. Sunners</i>
3,678,220	Angulated Positioning Marks for Moving Web	<i>O. R. Luhrs</i>
3,678,313	Motor Armature Having an Integral Driving Surface	<i>J. E. Parker</i>
3,678,469	Universal Cyclic Division Circuit	<i>R. B. Freeman, M. T. Kawalec, A. W. Maholick and S. R. Stager, III</i>
3,678,475	Read Only Memory and Method of Using Same	<i>P. V. Jordan, J. A. Paimieri and W. T. Wade</i>
3,678,481	Data Storage Apparatus Employing a Single Magnetic Disk	<i>W. L. Dalziel, J. B. Nilson and D. L. Wartner</i>
3,679,099	Balance Type Toner Concentration Sensing and Monitoring System	<i>M. K. Bullock, M. J. Miller and W. F. Voit, Jr.</i>
3,679,283	Cartridge Lock Actuator	<i>D. M. Janssen and C. G. Meyer</i>
3,679,492	Process for Making Mosfet's	<i>F. F. Fang and A. B. Fowler</i>
3,679,501	Method of Polishing Gallium Phosphide	<i>R. J. Chicotka</i>
3,679,670	Arsenic Containing Bisazide Compounds	<i>N. J. Clecak and R. J. Cox</i>
3,679,882	Fourier Digital Filter of Equalizer and Method of Operation Therefor	<i>G. K. McAuliffe</i>
3,679,896	Electrostatic Prism	<i>G. A. Wardly</i>
3,679,915	Polarity Hold Latch with Common Data Input-Output Terminal	<i>R. J. Kriger</i>
3,679,959	High Current Low Voltage Regulated Power Supply	<i>J. P. Beesley and J. B. Gunn</i>
3,679,985	Acoustic Wave Parametric Amplifier/Converter	<i>F. F. Fang and E. G. Lean</i>
3,679,986	Non-Linear Feedback Gain Control and Peak Detector System	<i>L. F. Zaman, III</i>
3,679,995	Optically Pumped Liquid Lasers	<i>P. P. Sorokin</i>
3,680,007	Surface Wave Transducer for Digital Signals	<i>S. C.-C. Tseng</i>
3,680,052	Configuration Control of Data Processing System Units	<i>J. A. Arulpragasam, D. C. Binks, J. J. Holmes, J. F. Minshull, M. C. Pinnell and C. Williams</i>
3,680,054	Input/Output Channel	<i>W. H. Bunker, J. W. Kerr, N. S. Mitrofanoff and K. W. Swearingen</i>
3,680,064	Coaxial Anisotropic Magnetic Film Storage Device with Burst Cycle Writing	<i>A. W. Vinal</i>
3,680,065	Nonvolatile Magneto-optical Memory Element and a Method of Writing Thereon	<i>G. S. Almasi and E. R. Genovese</i>
3,680,077	Method of Scrolling Information Displayed on Cathode Ray Tube	<i>V. L. Hoberecht</i>
3,680,078	Light Pen Arrangement for Providing Three Degrees of Freedom for a Light Pen in an Interactive Graphics System	<i>H. B. Baskin, L. A. Belady, C. J. Evangelista and S. P. Morse</i>
3,680,103	Data Processor and Compactor Therefor	<i>G. G. Houser and R. E. Jenkins</i>
3,680,419	Rotary Punch Device with Push-pull Chip Removal	<i>E. P. Stoop</i>
3,680,480	Chain Printer Hammer Control	<i>N. C. Berglund</i>
3,680,590	Fluid Operated Diaphragm Logic Devices	<i>E. F. Helinski</i>

3,680,943	Holographic Imaging Having Improved Resolution and Intensity by Synthetically Enlarging the Aperture	<i>G. D. Ogden and A. D. Tencza</i>
3,681,044	Method of Manufacturing Ferrite Recording Heads with a Multipurpose Devitrifiable Glass	<i>J. F. Ruzsczyk and D. R. Secrist</i>
3,681,147	Method for Masking Semiconductor Regions for Ion Implantation	<i>V. A. Dhaka and A. F. Kozik</i>
3,681,186	Multicolored Unitary Self-Supported Polymer Matrix Transfer Medium	<i>H. T. Findlay and J. F. Stone</i>
3,681,226	Sputtering Process for Making Ferroelectric Films	<i>S. F. Vogel</i>
3,681,245	EuO Films with Enhanced Magnetic Exchange	<i>K. Lee</i>
3,681,623	Geometric Current Amplifier	<i>H. S. Hoffman, Jr. and J. Sala</i>
3,681,682	Method and Apparatus for Testing Gap Surface Finish and Winding Characteristics of a Magnetic Head Subassembly	<i>C. M. Cox and R. B. Fischer</i>
3,681,724	Mechanically Actuated Electric Switch Assembly	<i>J. E. Shepard</i>
3,681,761	Electronic Data Processing System with Plural Independent Control Units ..	<i>C. H. Schuenemann and W. G. Spruth</i>
3,681,762	Auto-sequencing Associative Store	<i>J. F. Minshull and A. S. Murphy</i>
3,681,765	Ferroelectric/Photoconductor Memory Element	<i>D. W. Chapman</i>
3,681,766	Ferroelectric/Photoconductor Storage Device with an Interface Layer	<i>D. W. Chapman and P. R. Mehta</i>
3,682,678	Method of Developing Electrostatic Images	<i>Y. Moradzadeh and A. C. Bettiga</i>
3,682,683	Transfer Medium and Process of Making	<i>D. L. Elbert, H. T. Findlay and W. H. Horne</i>
3,682,689	Process of Simultaneously Cleaning and Coating a Photoconductive Surface with a Fluorinated Hydrocarbon Polymer	<i>R. L. Dueltgen and C. A. Queener</i>
3,682,729	Method of Changing the Physical Properties of a Metallic Film by Ion Beam Formation and Devices Produced Thereby	<i>T. F. Gukelberger, Jr. and W. J. Kleinfelder</i>
3,682,764	High Impact Ribbons	<i>H. T. Findlay, S. R. Fuller, Jr. and J. F. Stone</i>
3,683,228	Printed Circuit Spark Gap Protector for Cathode Ray Tube	<i>B. G. Kleen</i>
3,683,413	Method for Merging Variable and Fixed Magnetic Data on a Credit Card or the Like	<i>C. E. Schlaepfer</i>
3,684,484	Method for Production of Metal Alloy Particles	<i>M. A. Marchese and L. R. Morgan</i>
3,684,827	Keyboard	<i>W. E. Parry</i>
3,684,892	High Gain Wide Band Acoustic Surface Wave Transducers Using Parametric Upconversion	<i>E. G. Lean, R. V. Pole and S. C. C. Tseng</i>
3,684,960	Probe and Guide Assembly for Testing Printed Circuit Cards	<i>W. J. Conley, Jr. and C. G. Ingram</i>
3,685,014	Automatic Double Error Detection and Correction Device	<i>M. Y. Hsiao and W. F. Mikhail</i>
3,686,470	Two Shell Magnetic Tape Cartridge	<i>E. Stahlberg, J. M. Tagawa and H.-L. Tiao</i>
3,686,576	Parallel Tone Detector	<i>P. Abramson and G. Goertzel</i>
3,686,617	Multi-contact Electrical Connector Assembly	<i>E. C. Uberbacher</i>
3,686,631	Compressed Coding of Digitized Quantities	<i>J. E. Elliott</i>
3,688,036	Binary Data Transmission System and Clocking Means Therefor	<i>G. F. Bland</i>
3,688,100	Radix Converter	<i>P. E. Goldsberry</i>
3,688,194	Waveform Transient Measuring Circuit and Method	<i>P. C. Furois</i>
3,688,265	Error-Free Decoding for Failure-tolerant Memories	<i>W. C. Carter, R. A. Henle, D. C. Jessep, Jr. and A. B. Wadia</i>
3,688,274	Command Retry Control by Peripheral Devices	<i>R. L. Cormier, J. H. Sorg, Jr. and C. A. Thorn</i>
3,688,280	Monolithic Memory System with Bi-level Powering for Reduced Power Consumption	<i>J. K. Ayling and R. D. Moore</i>
3,688,285	Flexible Disk Magnetic Recording Device	<i>G. Lawrence and H. J. Mueller</i>